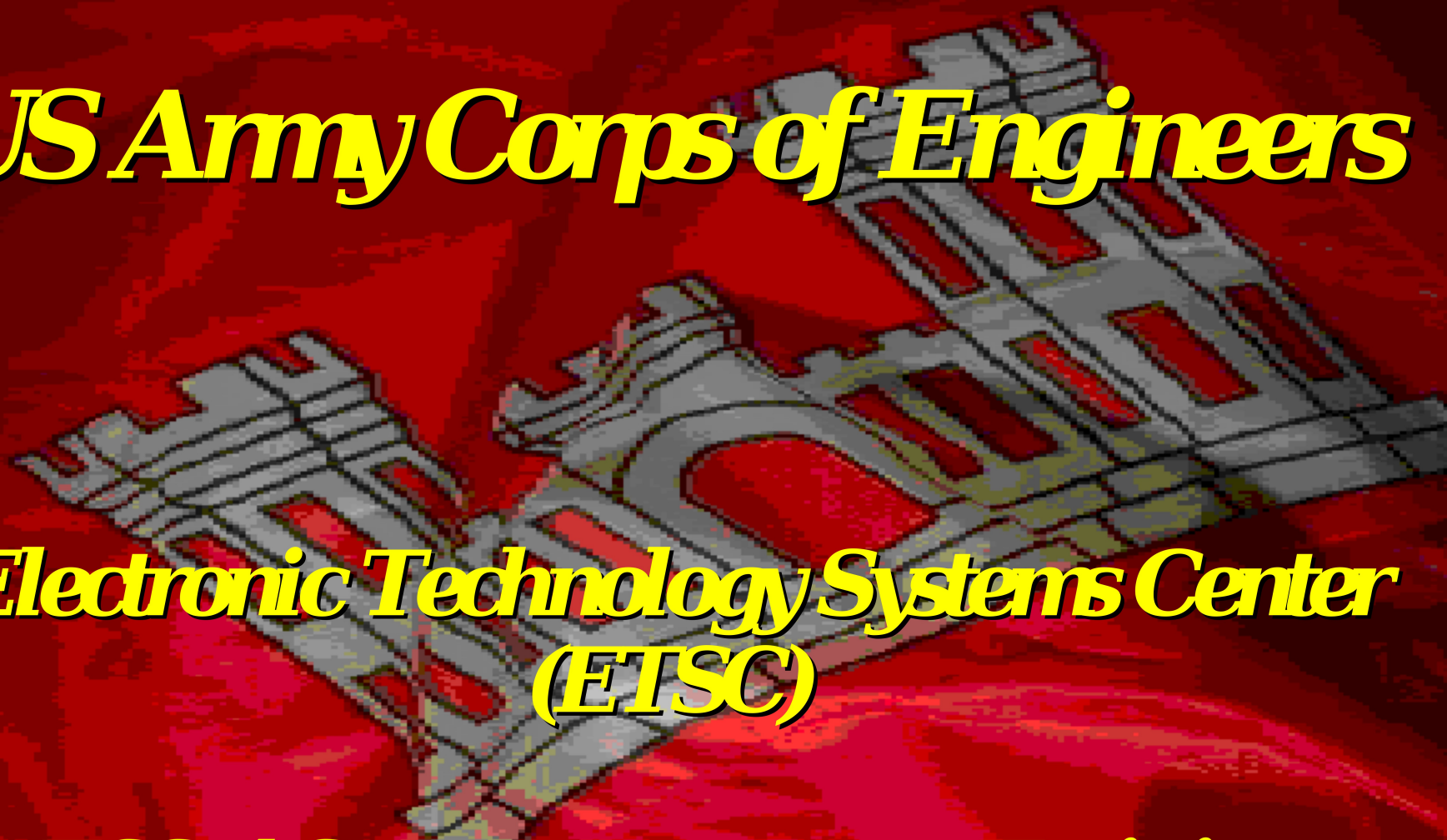
US Army Corps of Engineers

Electronic Technology Systems Center (ETSC)

ESS-4 System Integrator Training
Engineering Principles



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Engineering and Support Center, Huntsville

Electronic Technology Systems Center "How We're Organized"

Electronic Technology Systems Center

Electronic Security Center

Utility Monitoring & Control Center

MCX

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Electronic Technology Systems Center (ETSC)

- **Utility Monitoring and Control Systems Mandatory Center of Expertise (UMCS-MCX)**
  - **UMCS-MCX chartered in 1979**
  - **Known as Utility Monitoring & Control Center (UMCC)**
- **Electronic Security Systems Mandatory Center of Expertise (ESS-MCX)**
  - **ESS-MCX chartered in 1983**
  - **USACE Response to AR-190-13 “Army Physical Security Program”**
  - **Known as Electronic Security Center**

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Mandatory Centers of Expertise

AR 190-13:
HQUSACE will … maintain centers of expertise for protective design and for IDS to provide assistance to all Army elements…

ER 1110-1-8158:
…have unique or exceptional technical capability in a specialized subject area that is

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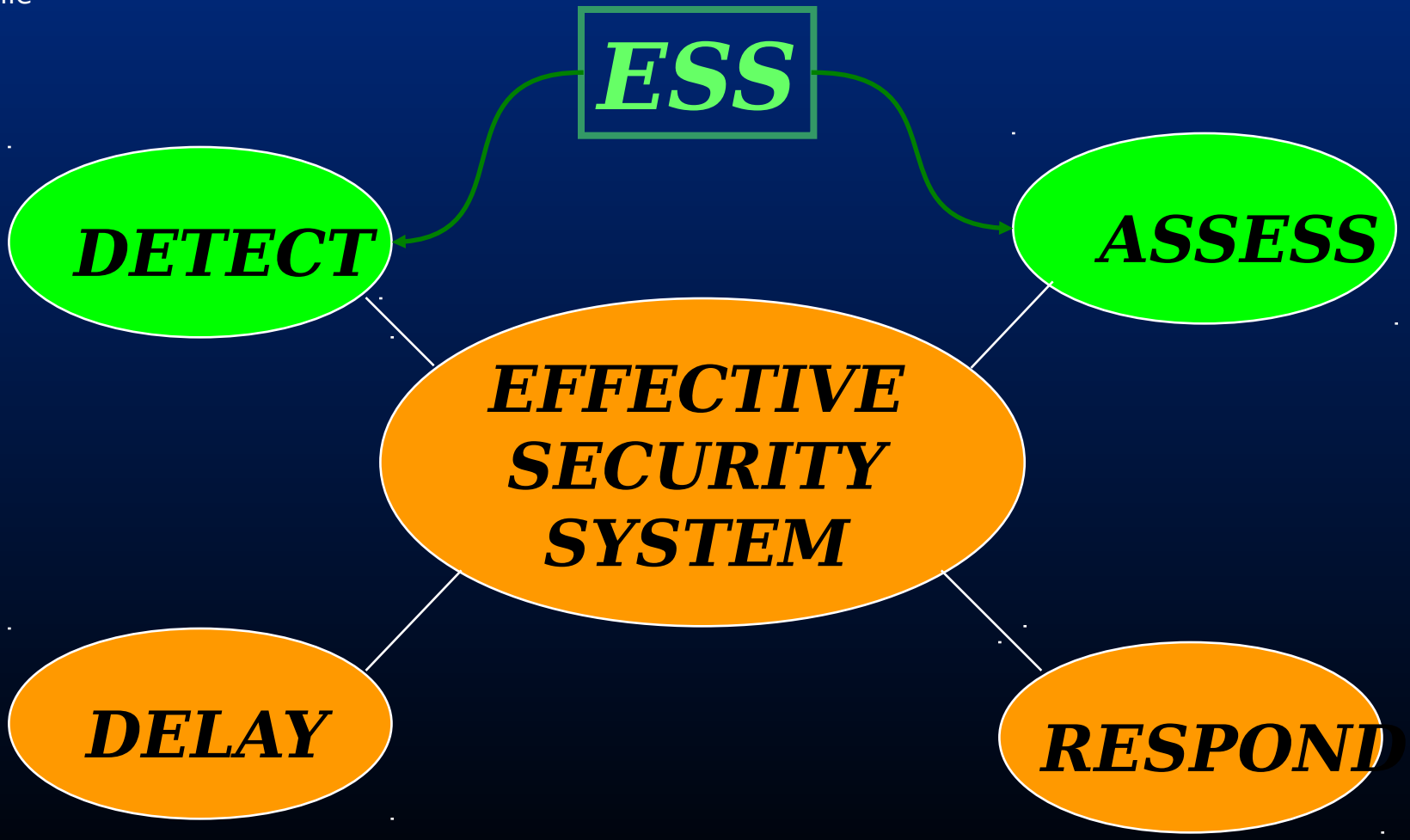
Physical Security Model



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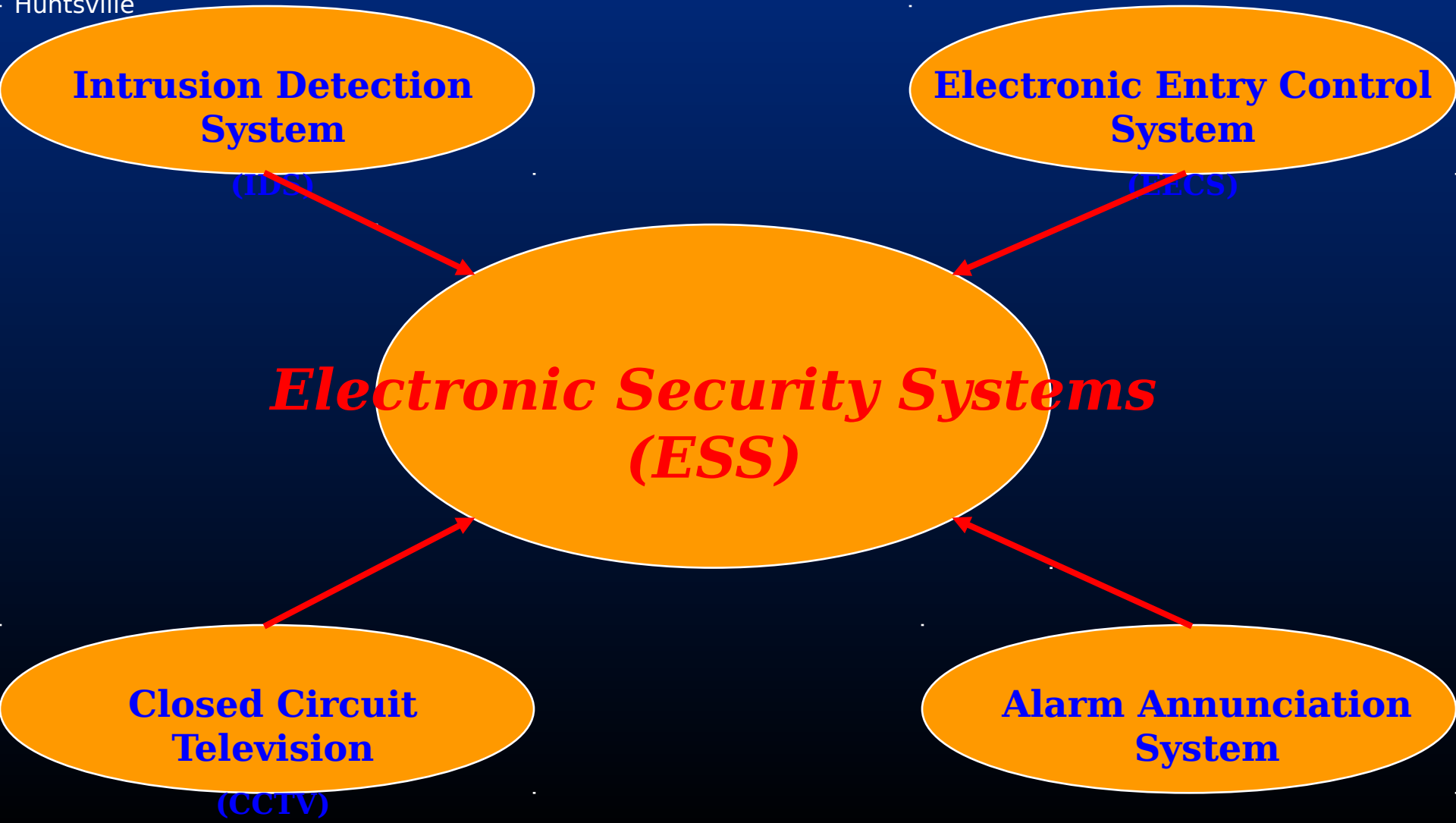
ESS Sub-Elements



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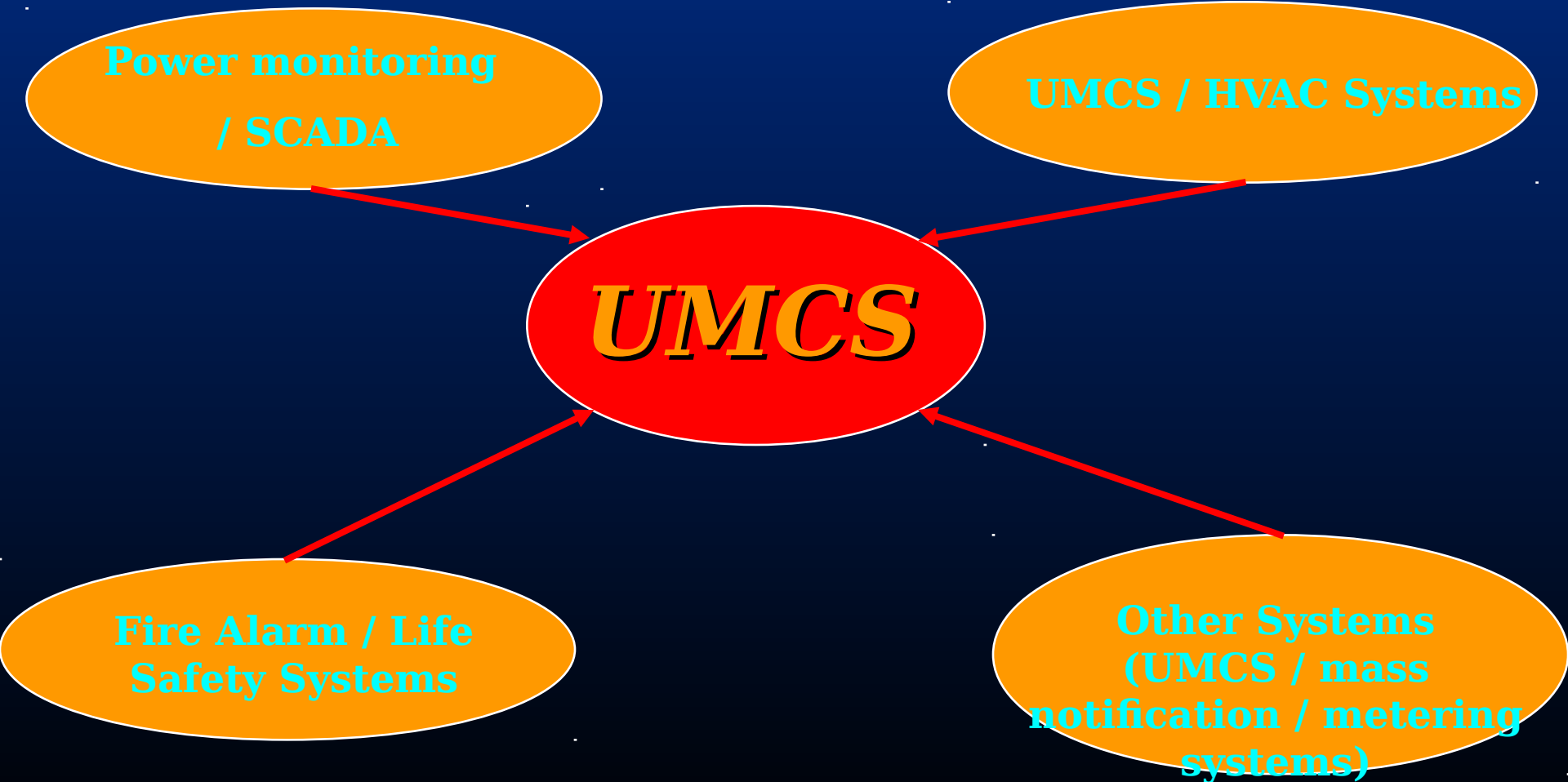
UMCS and Subsystem Elements


Power monitoring / SCADA
UMCS / HVAC Systems
UMCS
Fire Alarm / Life Safety Systems
Other Systems (UMCS / mass notification / metering systems)

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ETSC Functions

- **Perform Installation Surveys**
- **Conduct Special Studies**
- **Define R&D Needs**
- **Develop Criteria for Systems**
- **Design Systems**
- ***Procure/Install/Startup/Test***

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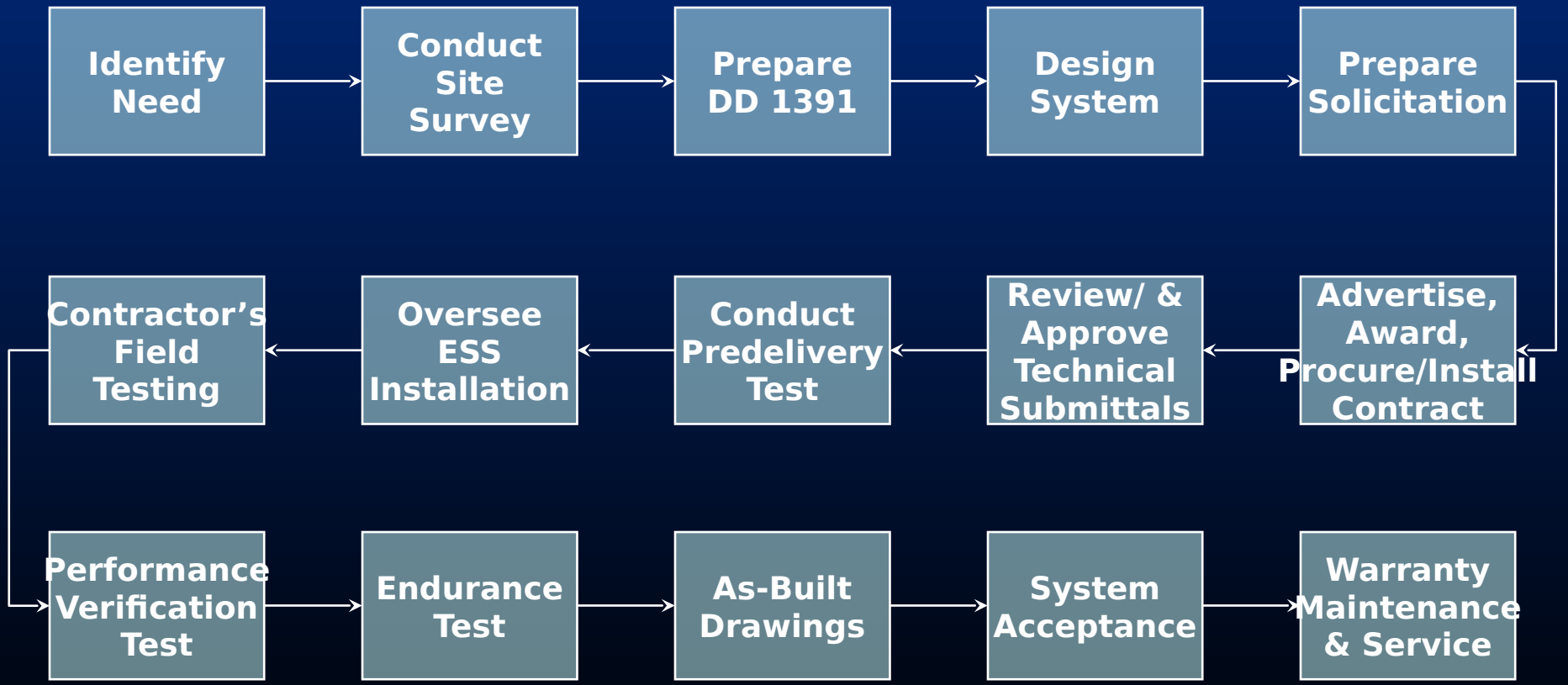
ETSC "Cradle to Grave" Services



ETSC Product Delivery Team

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Engineering and Support Center, Huntsville

ESS Team #1
Guy Wilson – PM
Wade Doss – PM
Elaine Wales – LPE
Jeff Alford – PE
Piet Vanderhoeven – PE
Vacant – PE
Vacant – PE
Carolyn Steuart – PE
John Wrona – PSS
Jonathan Stephens – Intern

ESS Team #2
Leigh Ann Toth – PM
Sandra Fisher – PM Spec
Donna Lawson – LPE
Daryl Britton – PE
Leigh Robinson – PE
Bill Goff – PE
Linda Taylor – PE
John Corcetti – PSS
Aaron Scott / David Shaw – Co-Ops

MCX Team
Ken Haynes – Technical Manager
Charles Malone – LPE
Craig Zeigler – PSS
Buland Mahmood – PE
Eddie Holder – PE
Michael Lewis – PE
Vacant – PE

Program Support
Darrel Anerton – ETSC Technical Chief
Kathyrn Norton – Secretary
KoTrina Glover – Secretary
Steve Willoughby – ESC Technical Manager
Chuck Holland – UMCS Technical Manager
Kathy Sparks – Technician (invoicing / metrics)

Vacant – PM Division Chief
Ruth Smith – Secretary
Jeff Mitchell- ESS Program Manager
Vacant – UMCS Program Manager

UMCS Team
Ken Arrington – PM
Bill Borders – PM
Joan Thuesh – PM Spec
Suzanne Wear - KO
Lisa Parker – CT Spec
Donna Ragucci – CT Spec
Nadine Maack- CT Spec
Will White – LPE
Donnie Lambert – PE
Chris Newman – PE
Mitch Duke – PE
Candido Damian – PE
Vacant – PE
Kim Torrence – Intern
Patrick Mardis – Student Aide

ESS Contracting
Carol Sargent – KO
Gail Hodge – CT Spec
Paul Wright – CT Spec
Laura Stiegler – CT Spec
Barbara Rich – CT Spec

Other Support
Ken Goddard – CT-P
James Steele – Estimating
Jannette Jones – RM
Chuck Williams – OC
Andrew Blaisdell & Victor Taylor – Safety
Service / Security / Other

WSS Team
Allen Shelvin - PM
Lequita Byrd-Craig – PM Spec

ESC Technical Team w/ MCX

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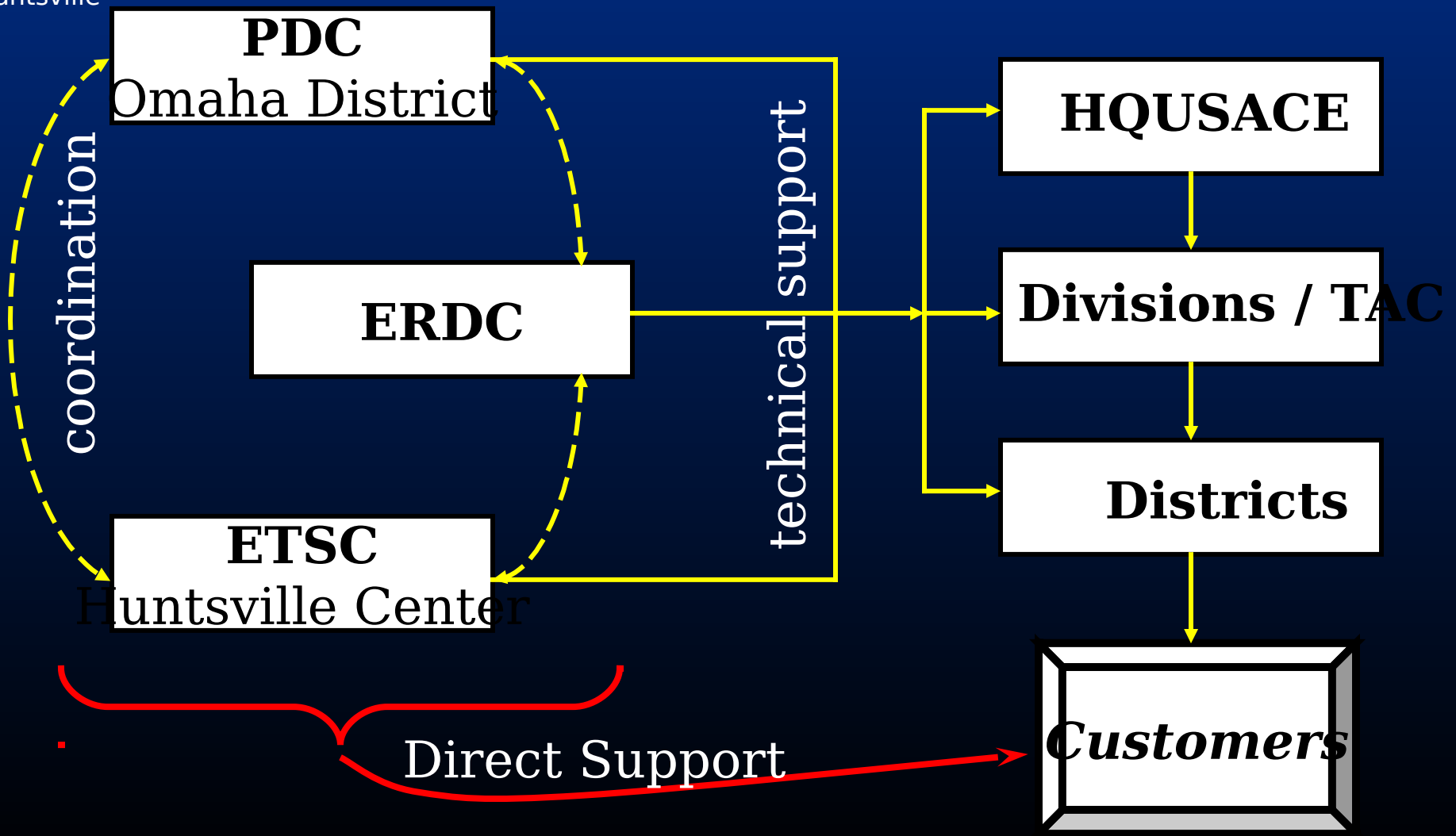
Virtual Project Delivery Team



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Security Solutions Synergy

Electronic Security Center

All aspects of engineering support to design, procurement, installation, and evaluation of electronic security

Protective Design Center

All aspects of engineering support to design, analysis, and evaluation for security, antiterrorism, and war time threat

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ETSC Business Metrics FY05 Revenues

- **Total ETSC Program of $73.6M**
- **UMCS Obligation of $36.4 M**
- **UMCS Contracted Actions of $34.2M**
- **ESS Obligation of $37.2M**
- **ESS Contracted Actions of $30.2M**

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ETSC Business Metrics FY05 External Customer Survey

- Overall Rating 4.24 of 5.0
- Increase from 3.74 in FY04
- 104 Customers Surveyed
- 57 Customers Responded = 54.8%
- Low Score 3.95 for “Provide timely services?”
- High Score 4.46 for “Treat you as an important member of the team?”
- High Score 4.43 for “Display

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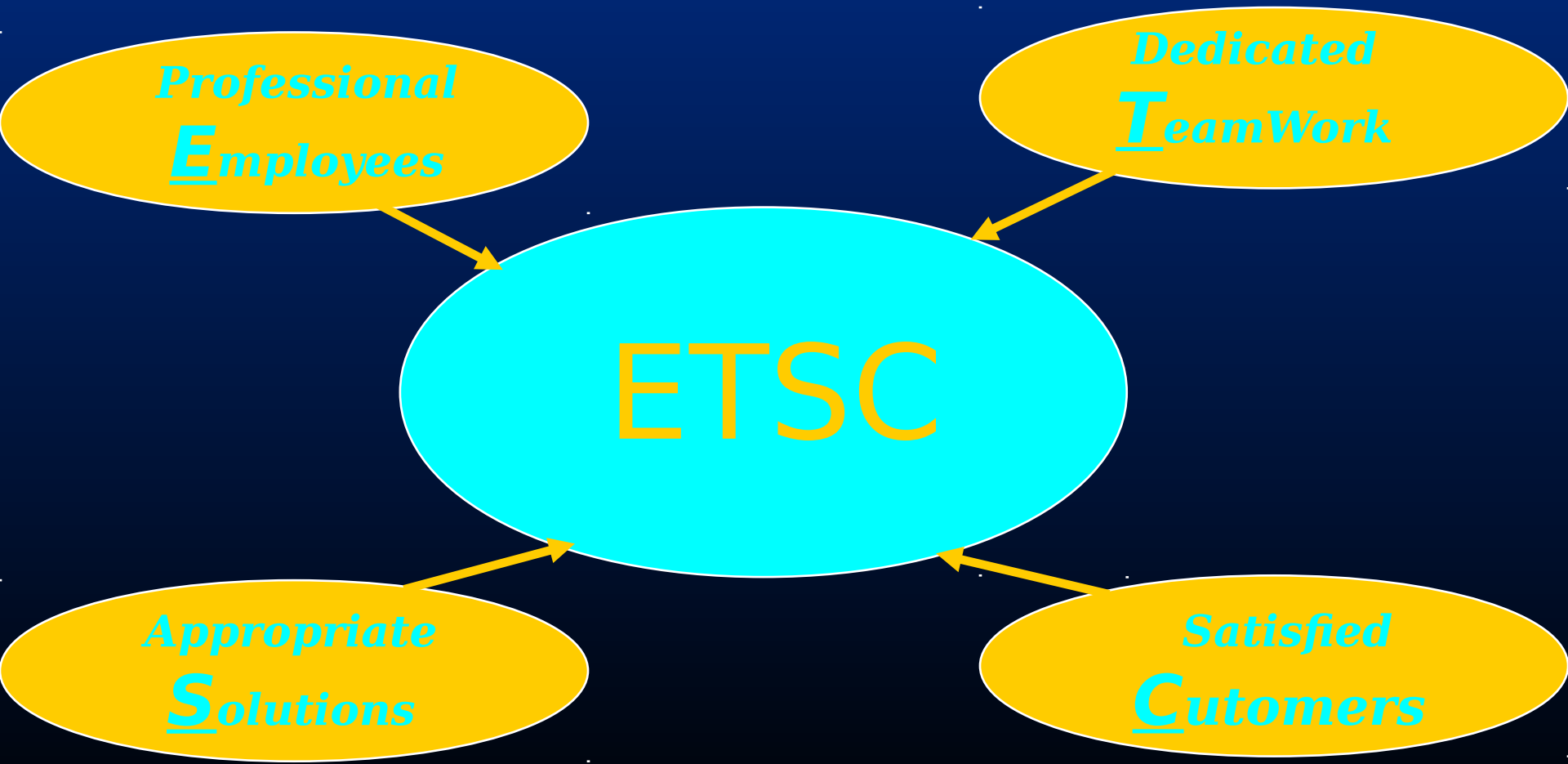
Electronic Technology Systems Center



Building on Traditions of Excellence in ESS & UMCS Solutions

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Questions?